

The Future of the German Artillery



LBDiir Dirlenbach

BWB WF IV 4



Deep Operations

- seeking to achieve superiority in responsiveness
- active utilization of dimensions of area
- joint
- within the area of responsibility beyond FEBA
- penetrating the enemy



Deep Operations

- **upsetting enemy command, control and sustainability**
- **destroy forces**
- **delete movements**
- **attack enemy flanks and rear**
- **deprive the enemy from executing his intentions according to plan**



Capability Requirements



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150 km

Engage enemy centers of gravity

70 km

Attrit enemy combat power

40 km

Firmly control enemy

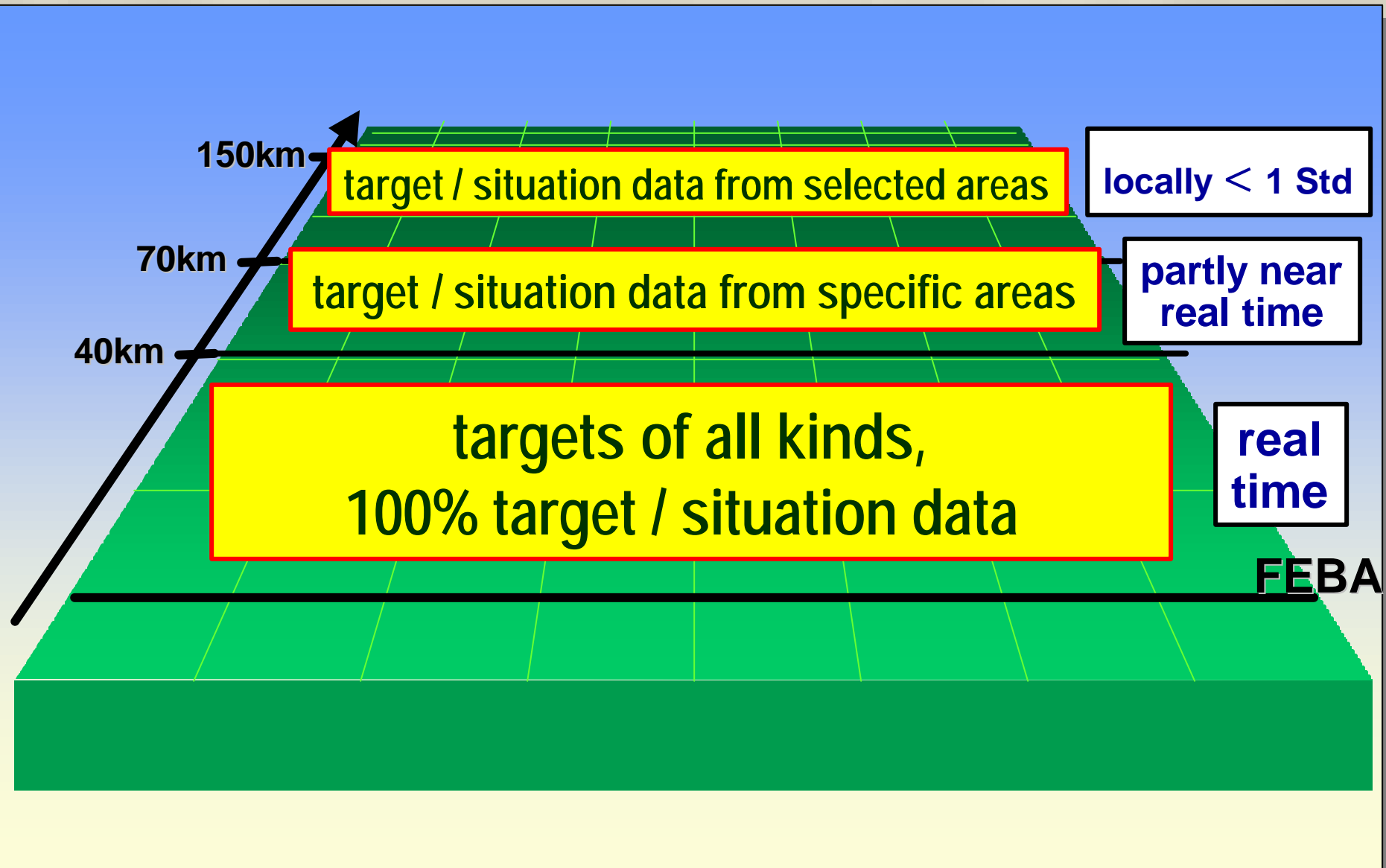
FEBA



Field Artillery Capability requirements



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German Artillery and Deep Operations



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Structure:



Deep Operations - Definition



Structure of German field artillery



Surveillance, target acquisition,
reconnaissance



Weapon Platforms



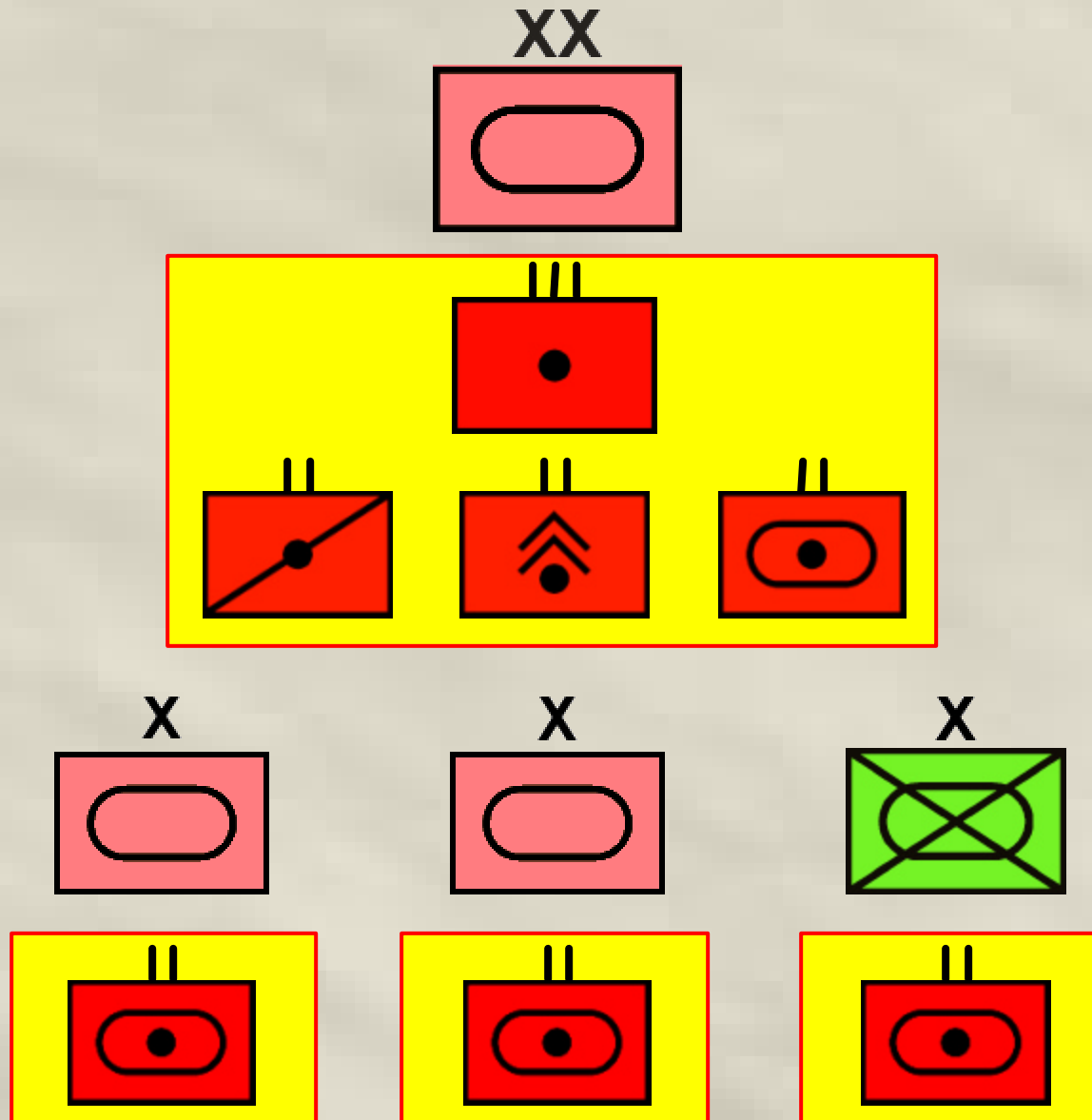
Command and Control



FORCE STRUCTURE



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German Artillery and Deep Operations



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Deep Operations - Definition



Structure of German field artillery



**Surveillance, target acquisition,
reconnaissance (STAR)**



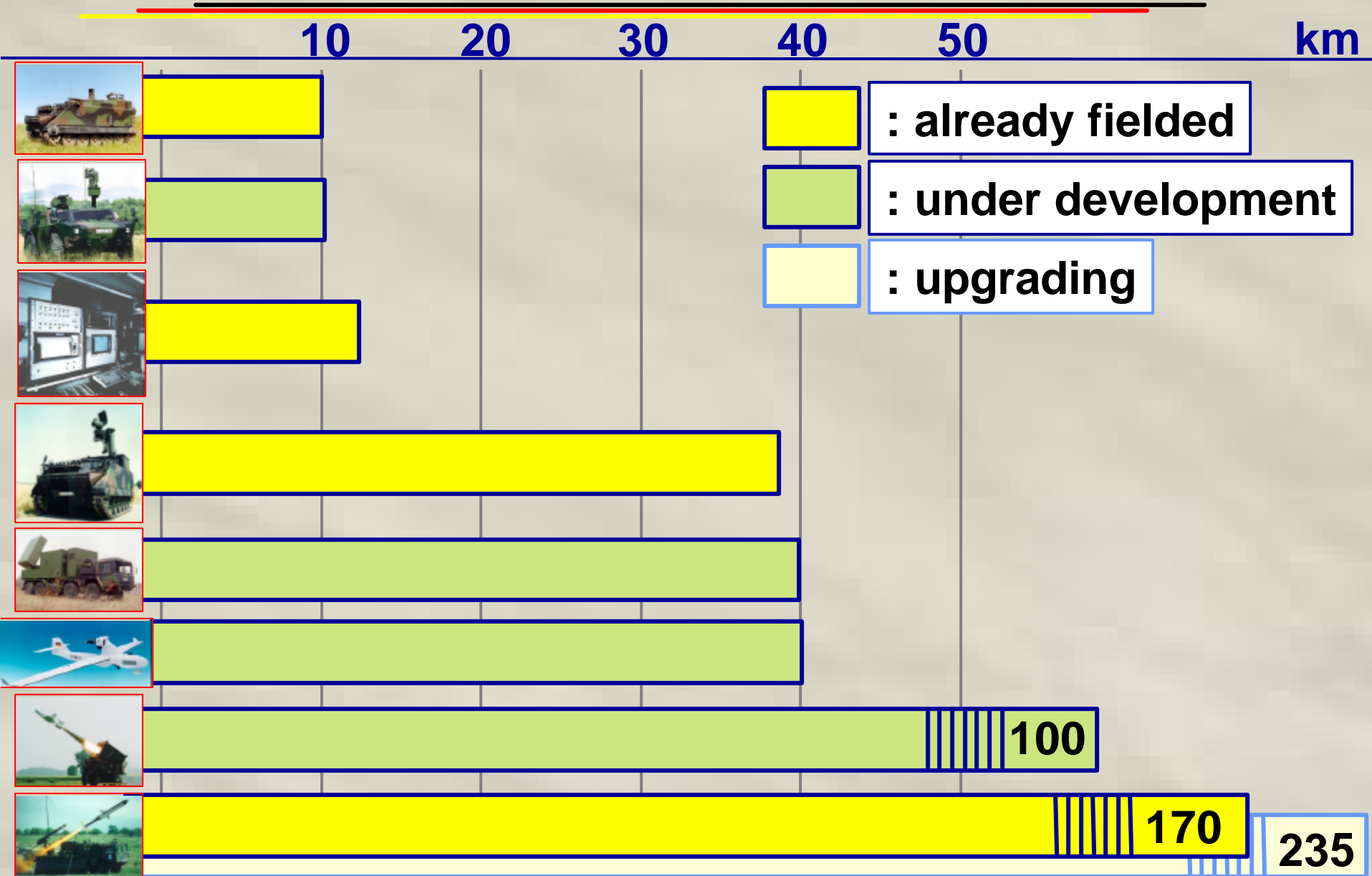
Weapon Platforms



Command and Control



Summary (Range)

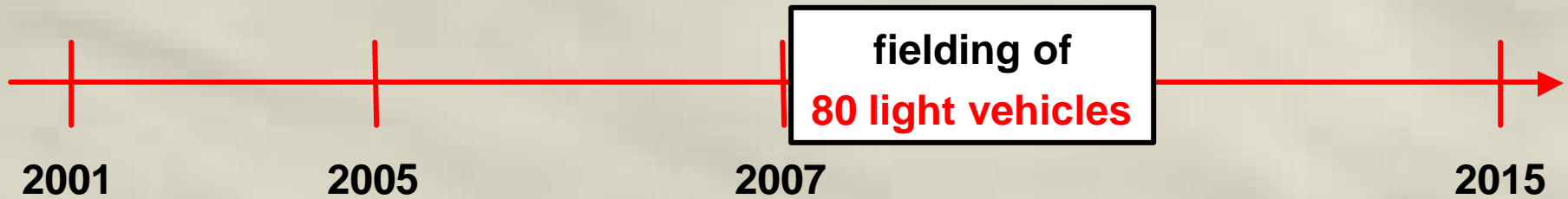




Artillery Observer - FENNEK -



10

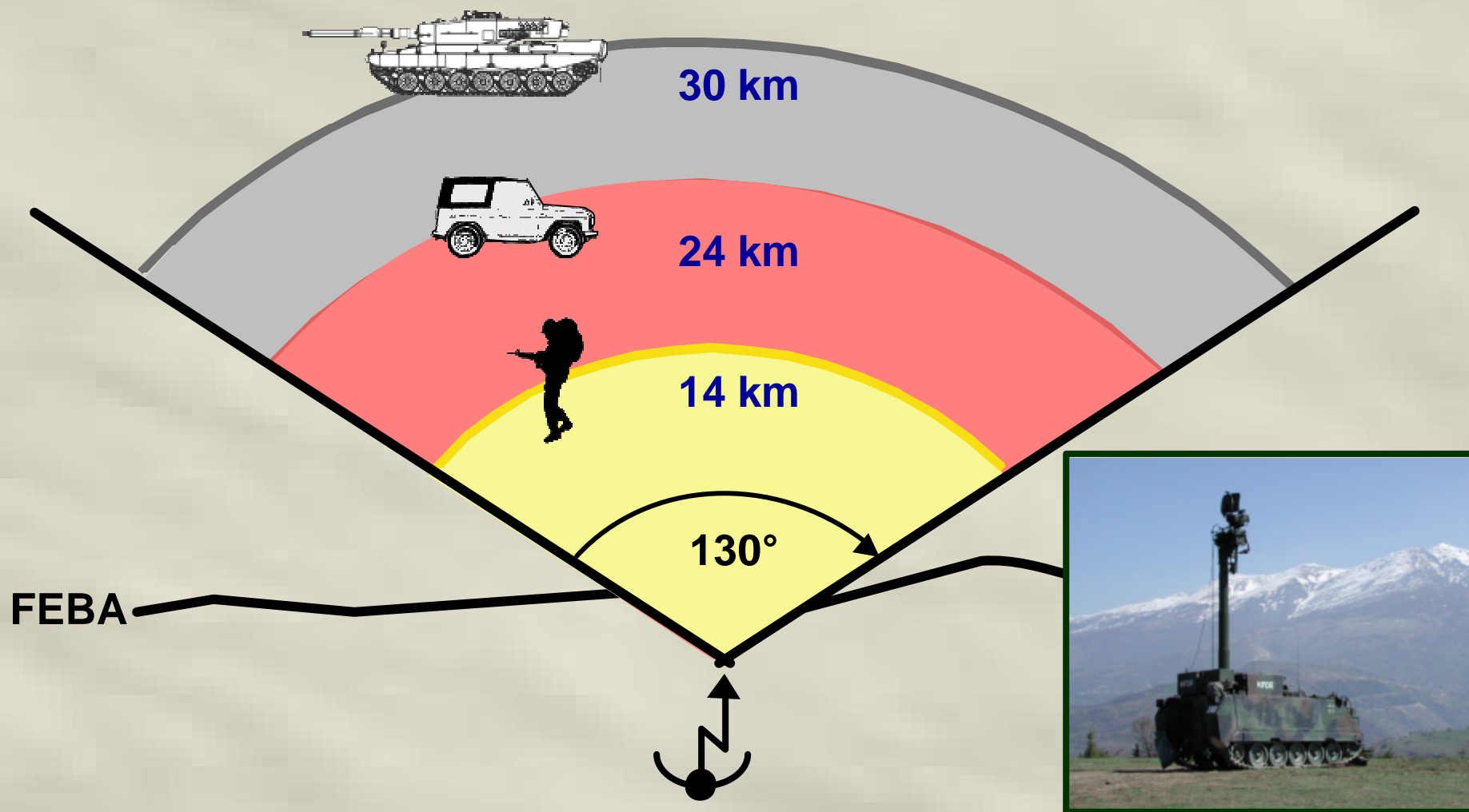




Battlefield Surveillance Radar M113 ABRA - Capabilities -



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Counterbattery Radar - COBRA -



12

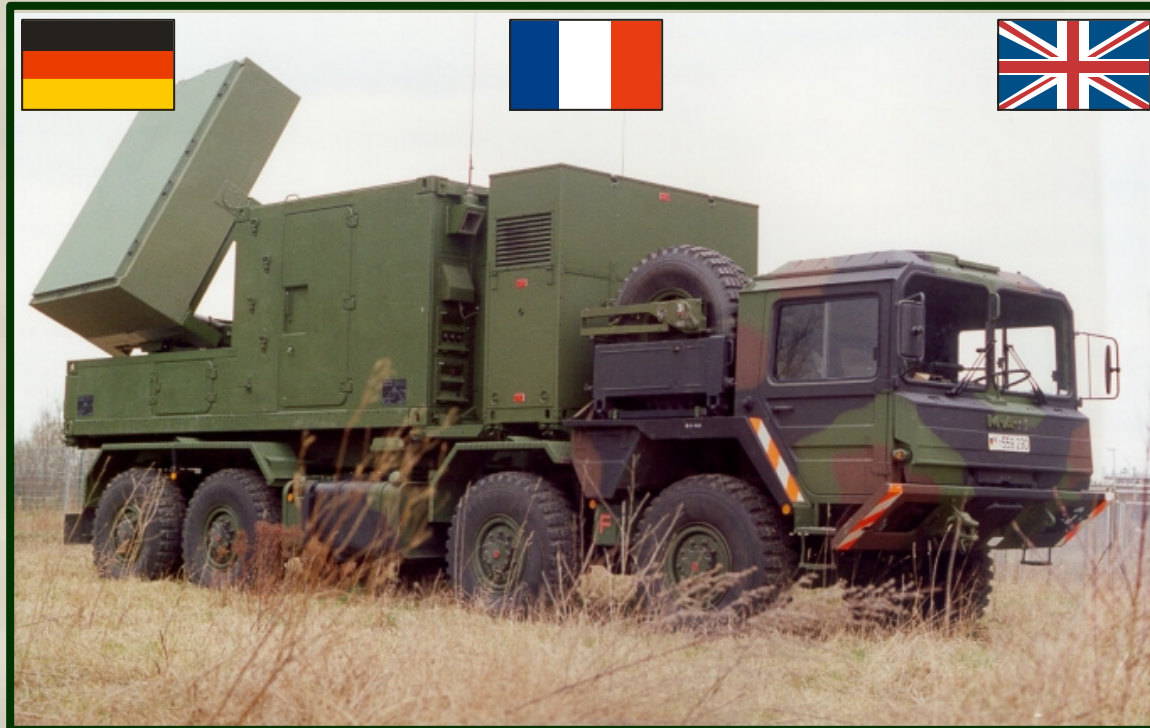
fielding of
12 systems

2001

2003

2005

2015

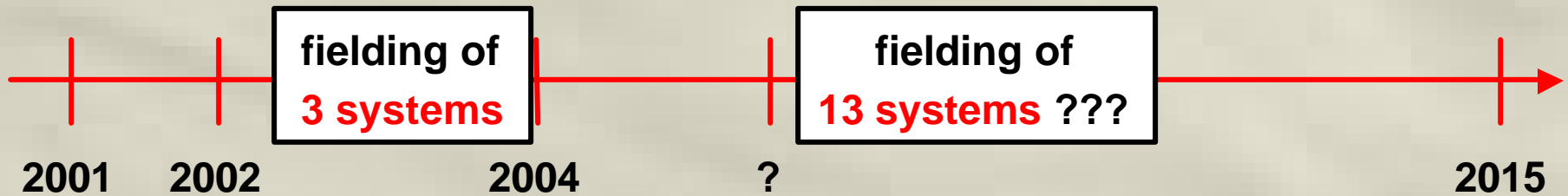




LUNA UAV



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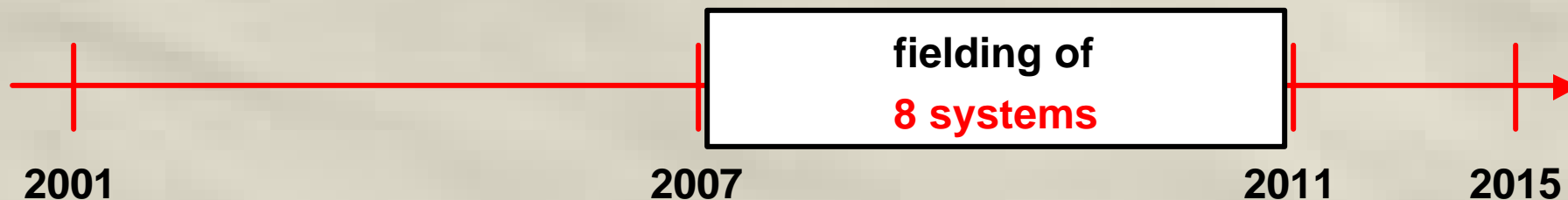




CL289 Reconnaissance Drone



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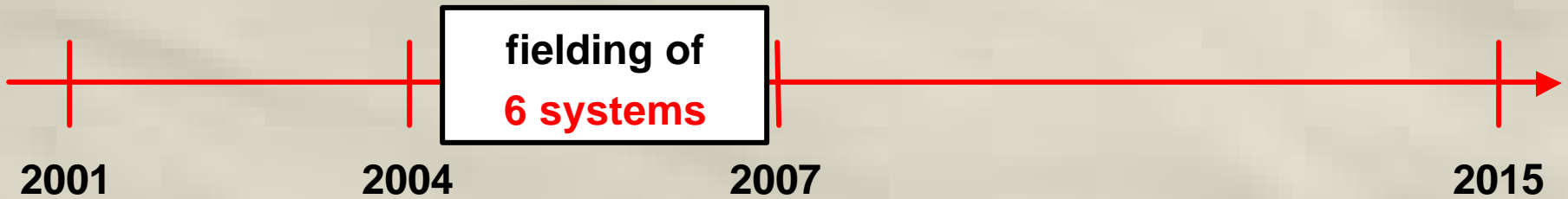




KZO UAV



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German Artillery and Deep Operations



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reconnaissance



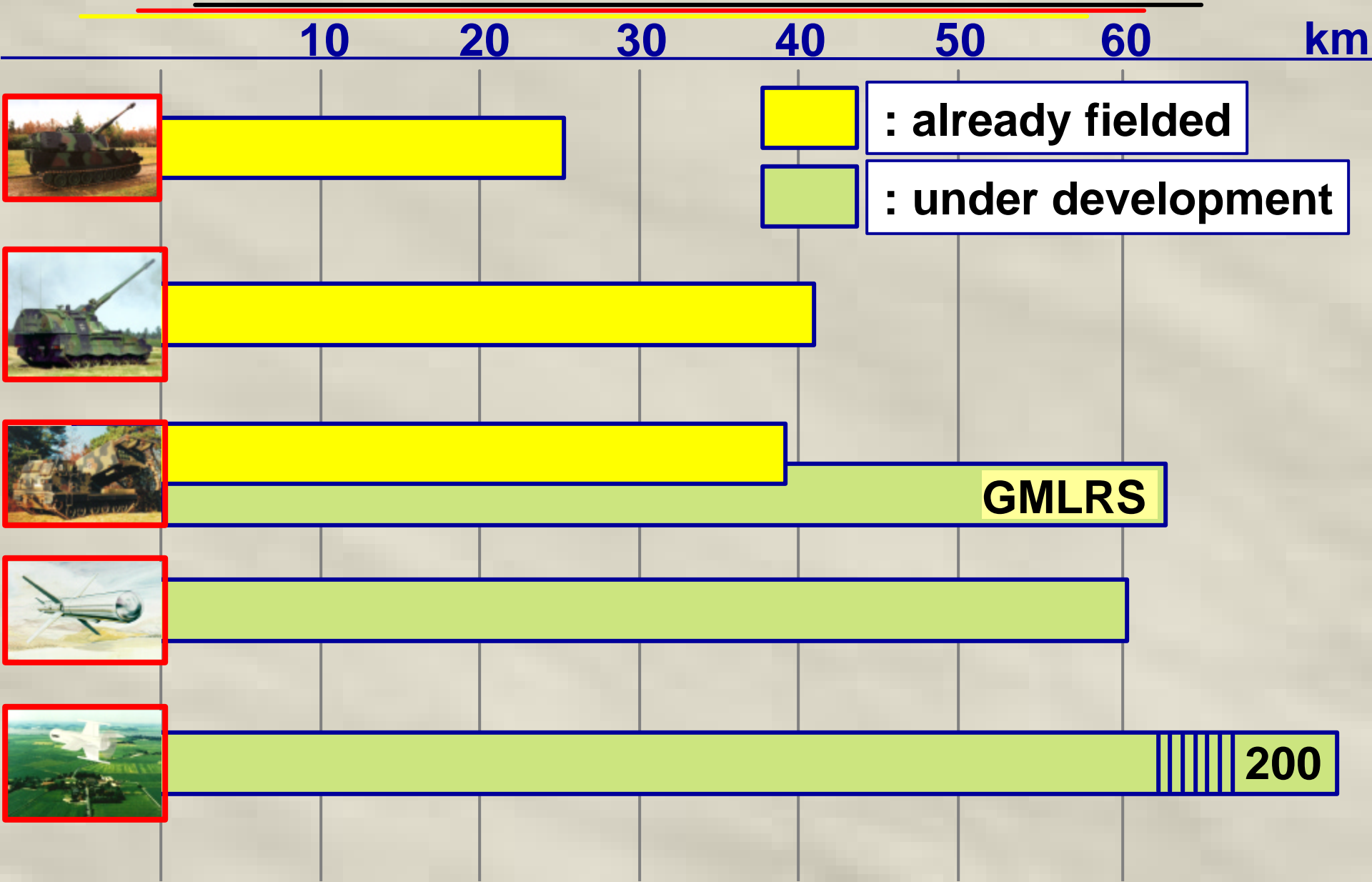
Weapon Platforms



Command and Control



Summary (Range)





Panzerhaubitze 2000



fielding of
185 systems

2002



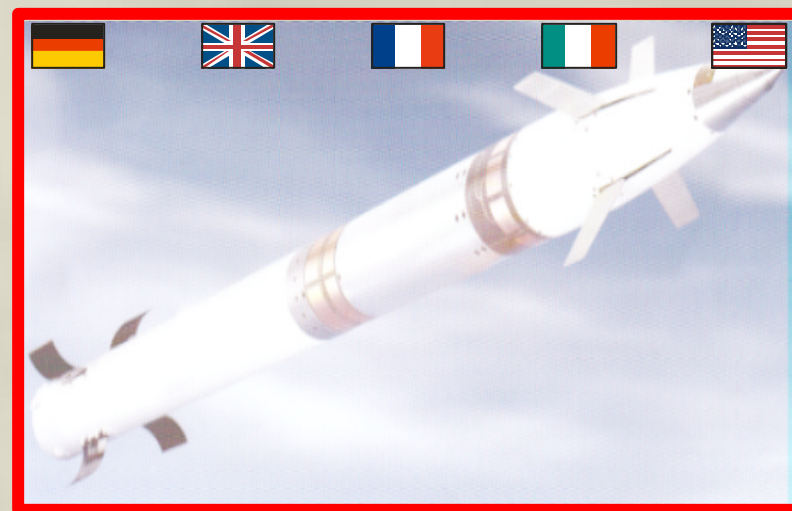
2015



Fire Direction System + GMLRS



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TAIFUN UAV

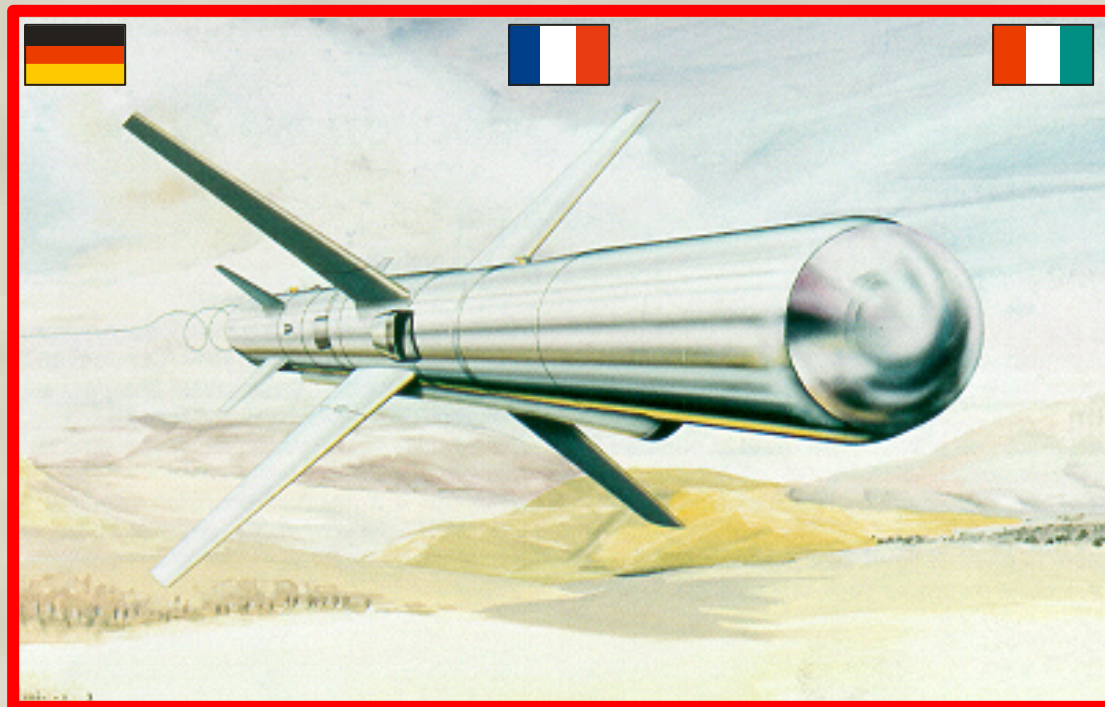




TRIFOM (Optical Fibre Guided Missile)



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German Artillery and Deep Operations



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Weapon Platforms



Command and Control



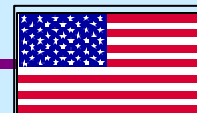
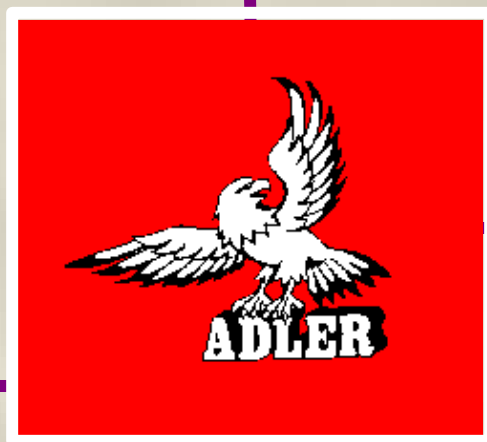
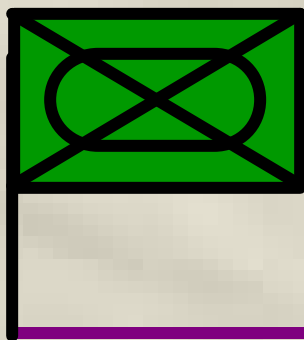
ADLER C² and Weapon Control System with Subsystems



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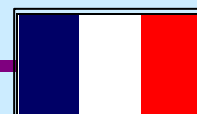
XX



AFATDS



BATES



ATLAS



SIR

A
S
C
A

